

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

January 13, 2011

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VIA CERTIFIED MAIL 7190 0005 2710 0010 9125

Mr. Robert H. Lange
U. S. Steel, Gary Works
1 North Broadway
Gary, IN 46402

RE: Referral to USEPA, Region 5
U.S. Steel, Gary Works
Plant ID Number: 089-00121
Gary, Lake County


Dear Mr. Lange:

The Indiana Department of Environmental Management (IDEM) has received and reviewed the third quarter deviation and compliance monitoring report for 2010, submitted by United States Steel Corporation – Gary Works. This report identified the following deviation:

1. Permit Conditions D.2.4 and D.2.5: On August 13, 2010, the Permittee exceeded the allowable limit of having visible emissions from no more than five percent (5%) of the total off take piping on No. 2 coke oven battery.

This matter has been referred to USEPA, Region 5 for appropriate action. Please direct any response to this letter and any questions to Dave Sampias at 219/757-0291.

Sincerely,


J. Robert Simmons
Deputy Director
Northwest Regional Office

JRS/dcs
ACES No. 124408
cc: File

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: U.S. Steel – Gary Works
Source Address: One North Broadway, Gary, Indiana 46402
Mailing Address: One North Broadway, Gary, Indiana 46402
Part 70 Permit No.: T089-7663-00121

Months: July 1 to September 30 Year: 2010

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☒ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Permit Requirement (specify permit condition #) D.2.4(e)(1) and D.2.5(c)

Date of Deviation: 8/13/10

Duration of Deviation: Not applicable

Number of Deviations: 1

2 BATTERIES

Probable Cause of Deviation: 7 offtake leaks out of 98 observed

Response Steps Taken: Patch and seal leaks on the leaking offtakes

Permit Requirement (specify permit condition #) C.1(a) and D.2.5(i) (See Attachment 1)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

US Steel-Gary Works
Gary, Indiana
Permit Reviewer: Gail McGarrity

T089-7663-00121

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By:	<u>James R. Penman</u>
Title/Position:	<u>Division Manager, Coke Operations</u>
Date:	<u>October 15, 2010</u>
Phone:	<u>219.888.4028</u>



INSPECTION SUMMARY

DATE 8-13-10 INSPECTOR C. Swallow SHIFT C

PLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐ US STEEL (Gary) ☒

BATTERY NO.: 1 ☐ 2 ☒ 5 ☐ 7 ☐ E ☐ H ☐

Inspection Times		Inspection Data		Percent Leakage Calculations	
Start	Finish				
<u>1526</u>	<u>1832</u>	# Ovens Out of Service = <u>3</u>	PS Doors Leaking = <u>1</u>	$\frac{\text{No. Door Leaks}}{\text{No. Doors Observed}} \times 100 = \text{Percent Leakage}$ <u>1.85</u> % Leakage Door Inspection Limit _____% for 30 day rolling average PRELIM. COMPLIANCE STATUS: <input type="checkbox"/> IN <input type="checkbox"/> OUT	
		# Doors Not Observed = <u>0</u>	CS Doors Leaking = <u>1</u>		
		Total # Doors Obs. = <u>103</u>	Total Leaking Doors = <u>2</u>		
		Total # Collector Main Leaks Observed = _____			
<u>1840</u>		# Ovens Out of Service = <u>3</u>	Total Leaking Lids = <u>0</u>	$\frac{\text{No. Lid Leaks}}{\text{No. Lids Observed}} \times 100 = \text{Percent Leakage}$ <u>0</u> % Leakage Lid Inspection Limit _____% for 30 day rolling average PRELIM. COMPLIANCE STATUS: <input type="checkbox"/> IN <input type="checkbox"/> OUT	
		# Lids Not Observed = <u>20</u>			
		# Lids Observed = <u>196</u>			
<u>1835</u>	<u>1839</u>	# Ovens Out of Service = <u>3</u>	Total Leaking Offtakes = <u>7</u>	$\frac{\text{No. Offtake Leaks}}{\text{No. Offtakes Observed}} \times 100 = \text{Percent Leakage}$ <u>7.14</u> % Leakage Offtake Inspection Limit _____% for 30 day rolling average PRELIM. COMPLIANCE STATUS: <input type="checkbox"/> IN <input type="checkbox"/> OUT	
		# Offtakes Not Observed = <u>10</u>			
		# Offtakes Observed = <u>98</u>			
<u>2047</u>	<u>2146</u>	Seconds Per Charge / Oven No.	Total Seconds for Five Charges = <u>41.6</u>	Charging Inspection Limit = 60 Second for five charges (Log for 30 day rolling average) PRELIM. COMPLIANCE STATUS: <input type="checkbox"/> IN <input type="checkbox"/> OUT	
		1. <u>8.5</u> / <u>6</u>			
		2. <u>8.0</u> / <u>8</u>			
		3. <u>8.5</u> / <u>10</u>	6. _____ / _____		
		4. <u>8.0</u> / <u>12</u>			
		5. <u>8.0</u> / <u>14</u>			

**KERAMIDA**ENVIRONMENT • HEALTH • SAFETY
AIR • LAND • WATER • WASTE**TOPSIDE INSPECTION (LIDS & OFFTAKES)**DATE 8-13-10INSPECTOR Chen / wPLANT: CITIZENS GAS (Indianapolis) ☐ MITTAL (Burns Harbor) ☐ US STEEL (Gary) ☒BATTERY NO.: 1 ☐ 2 ☒ 5 ☐ 7 ☐ E ☐ H ☐

Oven No.	OFFTAKES		LIDS					Oven No.	OFFTAKES		LIDS					Oven No.	OFFTAKES		LIDS				
	Push Side	Coke Side	1	2	3	4	5		Push Side	Coke Side	1	2	3	4	5		Push Side	Coke Side	1	2	3	4	5
1	OCS							32								63							
2	I							33								64							
3	OCS							34	X	X						65							
4								35								66							
5								36								67							
6								37								68							
7								38								69							
8								39								70							
9								40								71							
10								41								72							
11								42								73							
12								43		X						74							
13								44								75							
14								45	O	O	-	-	O	-		76							
15								46								77							
16								47	O	O	-	-	O	-		78							
17		X						48								79							
18		X						49	O	O	-	-	-	-		80							
19	X							50								81							
20								51	O	O	-	-	-	-		82							
21	X							52								83							
22								53	O	O	-	-	-	-		84							
23								54								85							
24								55								86							
25								56								87							
26								57								88							
27								58								89							
28								59								90							
29								60								91							
30								61								92							
31								62								93							

Lids Traverse:

Start Time 1840Stop Time 1841Total Number of Ovens 50Maximum Time (sec) 228Actual Time 57Valid Run ☒ Y ☐ NOvens Out of Service 3

Offtakes Traverse:

Start Time 1835Stop Time 1839Maximum Time (sec) 218Actual Time 219Valid Run ☒ Y ☐ N

OFFTAKES		LIDS		Legend
Total No. of Offtakes	<u>114</u>	Total No. of Lids	<u>228</u>	
No. of Offtakes Not Observed	<u>10</u>	No. of Lids Not Observed	<u>20</u>	
Total No. of Offtakes Observed	<u>98</u>	Total No. of Lids Observed	<u>216</u>	
No. of Offtakes Leaking	<u>7</u>	No. of Lids Leaking	<u>0</u>	

X = Leak

OOS = Out-Of-Service

O = Open

Comments: